

CLAIMS

1. A water-based concentrate containing

- 5 a) 5 to 30% by weight of an antimicrobial agent selected from the group of aldehydes and aldehyde derivatives, phenols, phenol derivatives, amides, amide derivatives, amines, amine derivatives, quaternary ammonium compounds corresponding to formula (I):



15 where R^1 is an alkyl group containing 6 to 16 carbon atoms, R^2 is an alkyl group containing 1 to 12 carbon atoms or a benzyl group, R^3 and R^4 are alkyl groups containing 1 to 4 carbon atoms or hydroxyalkyl groups containing 2 to 4 carbon atoms and $A^{(-)}$ is a halide, methoxysulfate or methoxyphosphate anion, and

20

- b) 5 to 50% by weight of an additive selected from the group of quaternary ammonium compounds corresponding to formula (II):



25

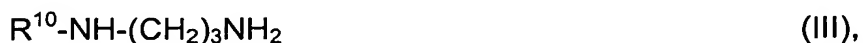
30 where R^5 and R^6 are alkyl groups containing 16 to 22 carbon atoms or groups with the formula $R^9CO (XC_nH_{2n})_a$, where R^9CO is a linear acyl group containing 16 to 22 carbon atoms, X is oxygen or -NH-, n = 2 or 3, a = 1 to 4, R^7 has the same meaning as R^5 and R^6 or is an

alkyl group containing 1 to 4 carbon atoms and R^8 is an alkyl group containing 1 to 4 carbon atoms or a hydroxyalkyl group containing 2 to 4 carbon atoms and $A^{(-)}$ is a halide, methoxysulfate or methoxyphosphate anion,

5 polydialkyl diallyl ammonium salts and derivatives thereof, copolymers of dialkyl diallyl ammonium salts with acrylamide and/or acrylic acid and/or vinyl acetate and derivatives thereof,

for reducing the loss of active substance from disinfecting solutions
10 contacted with cleaning textiles.

2. A concentrate as claimed in claim 1, characterized in that the antimicrobial agents mentioned are selected from formaldehyde, glutaraldehyde, glyoxal, from quaternary ammonium compounds containing dimethyl didecyl ammonium and/or dimethyl dioctyl ammonium and/or
15 benzalkonium as cationic component, from amines or amine derivatives including alkylamines corresponding to formulae (III) and/or (IV):



20

where R^{10} is a C_{8-18} and preferably C_{12-14} alkyl group, which may be present in unneutralized or partly or completely neutralized form, and/or

active substances obtainable by reacting a propylenediamine
25 corresponding to formula (III):



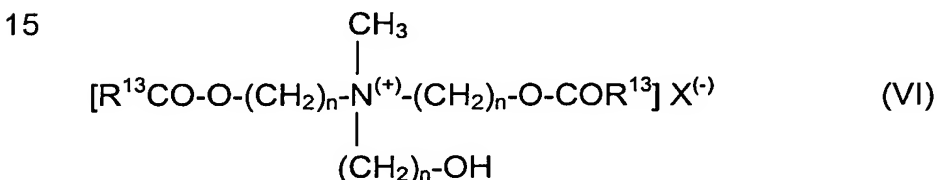
with glutamic acid or glutamic acid derivatives corresponding to formula
30 (V):



where R^{11} is hydrogen or a C_{1-4} alkyl group,

5 and optionally reacting the resulting product with ethylene oxide and/or propylene oxide, optionally followed by further reaction with organic or inorganic acids, from amides, preferably pyrrolidone carboxylic acid amides and their salts, more particularly the reaction products of glutamic acid with alkyl propylenediamines known commercially as Glucoprotamin®.

10 3. A concentrate as claimed in claim 1 or 2, characterized in that the compounds of formula (II) mentioned as additive are selected from the group of difatty acid trialkanolamine ester salts corresponding to general formula (VI):



20

where $R^{13}CO$ is an aliphatic acyl group containing 12 to 22 carbon atoms and 0, 1, 2 or 3 double bonds, $n = 2$ or 3 and X is halide, methoxysulfate or methoxyphosphate and the cationic polymers comprising poly(dialkyl-diallylammonium salts) or derivatives thereof or copolymers of dialkyl diallyl ammonium salts with acrylamide and/or acrylic acid and/or vinyl acetate and derivatives or mixtures thereof.

25

4. A concentrate as claimed in one or more of claims 1 to 3, characterized in that it contains a total of 10 to 25% by weight of the antimicrobial agent mentioned, based on the concentrate as a whole.

30

5. A concentrate as claimed in one or more of claims 1 to 3, characterized in that it contains 10 to 40% by weight of the additive, based

on the concentrate as a whole.

6. A concentrate as claimed in one or more of claims 1 to 5, characterized in that the concentrate contains other auxiliaries and additives from the group of surfactants, flow controllers, complexing acids,
5 acids, organic solvents, solubilizers, dyes, perfumes and mixtures thereof.

7. A water-containing preparation containing and/or obtainable from the concentrate claimed in one or more of claims 1 to 6 diluted with water in a ratio of 1:10 to 1:400.

8. A water-containing preparation as claimed in claim 7, characterized
10 in that the concentrate is diluted with water in a ratio of 1:20 to 1:200.

9. A water-containing preparation as claimed in claim 7 or 8, characterized in that it is made up from the antimicrobial agent and the additive separately and not from the concentrate.

10. A process for treating cleaning textiles in which the cleaning textile is
15 treated first with one or more of the additives mentioned in claims 1 to 3 in dilute or undiluted form and then with the water-containing preparation claimed in one or more of claims 7 to 9.

11. A process as claimed in claim 10, characterized in that the treatment is carried out with an aqueous solution of the additive.

20 12. A process as claimed in claim 11, characterized in that the additive is used in a concentration of 0.01 to 10% by weight.

13. A process as claimed in claim 12, characterized in that the additive is used in a concentration of 0.05 to 1% by weight.

14. The use of the process claimed in any of claims 10 to 13 for
25 reducing the loss of active substance from disinfecting solutions which come into contact with cleaning textiles, preferably cleaning textiles for surface disinfection.

15. A system comprising at least two preparations, at least one preparation containing one or more antimicrobial agents selected from the
30 antimicrobial agents mentioned in claims 1 and 2 and at least one other

E 10002

17

preparation containing one or more additives selected from the additives mentioned in claims 1 and 3.